

IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

Please REPLACE the paragraph beginning at page 45, line 25, with the following paragraph:

At this time, as color transformation formulas used to transform the RGB values into the $L^*a^*b^*$ values, Expressions (14) to (16), ~~to-which will~~ be described later, and a formula used to transform XYZ values into $L^*a^*b^*$ values (known general formula) are employed. At step S21, $L^*a^*b^*$ values of each of ~~all-the~~ grid points in the RGB space are calculated by using the three color transformation formulas, and three kinds of relationships 1 to 3 are created and outputted (step S22).